

ACKNOWLEDGMENT OF COMPLETION REPORT

FOR

**LAS CONCHAS WILDFIRES
13 BATAAN BLVD
SANTA FE, SANTA FE COUNTY, NEW MEXICO**

Prepared for

U.S. Environmental Protection Agency

Linda Carter, Project Officer
1445 Ross Avenue
Dallas, Texas 75202

Contract No. EP-W-06-042
TDD No. TO-0001-11-06-01
WESTON W.O. No. 20406.012.001.0641.01
NRC No. N/A
FPN N/A
CERCLIS ID NMN000607174
EPA OSCs Eric Delgado and Warren Zehner
START-3 PTL Heth Parnell

Submitted by

Weston Solutions, Inc.
Robert Beck, VP, P.E., Program Manager
70 NE Loop 410, Suite 600
San Antonio, Texas 78216
(210) 308-4300

21 October 2011

ACKNOWLEDGMENT OF COMPLETION REPORT

1. PROJECT IDENTIFICATION

Date: 21 October 2011

To: Eric Delgado and Warren Zehner, On-scene Coordinators (OSCs)
U.S. Environmental Protection Agency (EPA)
Region 6, Prevention and Response Branch

Through: Linda Carter, Project Officer (PO)
EPA Region 6, Program Management Branch

Through: Robert Beck, VP, P.E., Weston Solutions, Inc. (WESTON®)
EPA Region 6, Superfund Technical Assessment and Response Team (START-3)
Program Manager

From: Heth Parnell, WESTON
EPA Region 6, START-3 Project Team Leader

Subject: Acknowledgment of Completion Report: Las Conchas Wildfires
13 Bataan Blvd, Santa Fe, Santa Fe County, New Mexico
Contract No. EP-W-06-042
TDD No. TO-0001-11-06-01
W.O. No. 20406.012.001.0641.01
NRC No. N/A
FPN N/A
CERCLIS ID NMN000607174
Latitude N/A
Longitude N/A

No National Response Center (NRC) Number or Federal Pollution Number (FPN) was issued for this Technical Direction Document (TDD) by EPA OSCs Eric Delgado or Warren Zehner. Geographic coordinates of the incident location were not provided due to the large geographic area of the wildfires.

The Las Conchas Wildfires after Action Data Deliverable was developed and provided to EPA in addition to this report. A separate DVD allows interactive access to air sampling and monitoring locations, air sample analysis results, the site-specific Quality Assurance Sampling Plan, logbooks, and EPA Airborne Spectral Photometric Environmental Collection Technology (ASPECT) data (Attachment A).

THIS DOCUMENT WAS PREPARED BY WESTON SOLUTIONS, INC. EXPRESSLY FOR EPA. IT SHALL NOT BE RELEASED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS, WRITTEN PERMISSION OF EPA.

2. SUMMARY OF ACTIONS

On 27 June 2011, the EPA Region 6, Prevention and Response Branch (EPA-PRB) notified WESTON, the Region 6 START-3 contractor, to mobilize and initiate all relevant response activities in connection with the Las Conchas Wildfires and the impact to the Los Alamos National Laboratory (LANL). START-3 assisted in the collection of the data necessary to support EPA, the State of New Mexico, New Mexico Environment Department (NMED), and the U.S. Department of Energy (DOE).

The fires were located in the Santa Fe National Forest to the south and west of Los Alamos, New Mexico, and the main EPA operating base was located at the State Emergency Operations Center in Santa Fe, New Mexico. The total heat perimeter when merged over 3 days from geographic information system (GIS) analyses formed an area of 92,741.41 acres. From 27 June through 4 July 2011, air sampling and air monitoring was conducted by EPA with the assistance of additional agencies and START-3.

The primary objective of the sampling/monitoring was to determine the concentration of radioactive particulate matter being carried into the smoke plumes from the Las Conchas wildfires that were affecting the areas in and around LANL. LANL is a DOE facility that performs work and research in nuclear weapons. There are areas of radioactive waste storage on the facility grounds and areas where radioactive soil and vegetation may be present at the facility. Locations in populated areas surrounding the fires or locations of other importance (community centers, hospitals, evacuation centers, and tribal lands including pueblos and Native American sacred areas) were selected for sampling.

START-3 and the EPA Radiological Emergency Response Team (RERT) from the Office of Radiation and Indoor Air - Las Vegas (ORIA-LV) performed field air sampling in areas surrounding the wildfires. Air samples were collected and analyzed for gross alpha and beta contamination; uranium 234, 235, and 238; plutonium 239 and 240; americium 241; cesium 137; and strontium 90. Sample locations within the operational areas were determined by EPA and state officials. These samples were collected over 12- or 24-hour periods using EPA-owned air sampler stations that were calibrated to be appropriate for radio-isotope/radioactivity in air

sampling. Samples were collected from 28 June through 4 July 2011. Air monitoring also was conducted by utilizing the EPA ASPECT plane that flew over the perimeter of LANL and over the towns of White Rock and Los Alamos, New Mexico.

EPA recorded the ASPECT air monitoring data and the field air sampling data using Response Manager and/or SCRIBE for field assessment activities. Monitoring data and radiological data from the air monitoring and sampling were provided to NMED for public health review and assessment. No fire or plume resulted from the impact of the wildfires on any LANL radioactive areas.

START-3 was demobilized on 04 July 2011 by EPA OSC Warren Zehner. This report is provided as part of the requirements of the Technical Direction Document (TDD) No. TO-0001-11-06-01.

The Las Conchas Wildfires After Action Data Deliverable is provided on a separate DVD that allows interactive access to air sampling and monitoring locations, air sample analyses results, the site-specific Quality Assurance Sampling Plan, logbooks, and ASPECT data.

3. LIST OF ATTACHMENTS

A. Las Conchas Wildfires After Action Data Deliverable

B. TDD No. TO-0001-11-06-01 and Amendments A and B

☐

The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

☒

The EPA Task Monitor has provided final approval of this report. Therefore, Weston Solutions, Inc. has submitted this report with the Task Monitor's approval.

Attachment A

Los Conchas Wildfires After Action Data Deliverable

The Las Conchas Wildfires After Action Data Deliverable was developed and provided to EPA in a separate DVD. The DVD allows interactive access to air sampling and monitoring locations, air sample analysis results, the site-specific Quality Assurance Sampling Plan, logbooks, and EPA Airborne Spectral Photometric Environmental Collection Technology (ASPECT) data.

Attachment B

TDD No. TO-0001-11-06-01 and Amendments A and B

**Response Activities- REMOVAL
Funds (0001)
Weston Solutions, Inc.**

! = required field ☐ Moved To EAS

Note: Remaining Amount
includes \$0.00 in Reserve.

| | |
|---|--|
| TDD Name: Las Conchas Wildfires | ! Period: Base Period |
| ! Purpose: Work Assignment Initiation | Verbal Date: 06/27/2011 |
| ! Priority: High | ! Start Date: 06/27/2011 |
| Overtime: Yes | ! Completion Date: 09/01/2011 |
| ! Funding Category: Removal Support | Invoice Unit: |
| ! Project/Site Name: Las Conchas Wildfires | WorkArea: RESPONSE ACTIVITIES |
| Project Address: 13 Bataan Blvd | Activity: Emergency Response |
| County: Santa Fe | Work Area Code: |
| City, State: Santa Fe, | Activity Code: RV |
| Zip: 87508 | EMERGENCY CODE: <input type="checkbox"/> KAT <input type="checkbox"/> RIT |
| ! SSID: A6BJ | FPN: |
| CERCLIS: | Performance Based: No |
| Operable Unit: | |

| Authorized TDD Ceiling: | Cost/Fee | LOE (Hours) |
|-------------------------|---------------------|-------------|
| Previous Action(s): | \$0.00 | 0.0 |
| This Action: | \$210,000.00 | 0.0 |
| New Total: | \$210,000.00 | 0.0 |

Specific Elements More specifically the contractor shall, - Analyze the nature amount and location of discharged or released materials, - Analyze the probable direction and time of travel of discharged or released materials, - Identify the pathways to human and environmental exposure, - Analyze the potential impact on human health welfare and safety and the environment posed by the release of hazardous substances contaminants or pollutants and discharge of oil, - Provide analysis of discharges or releases posing a substantial threat to the public health or welfare of the United States, - Analyze the potential impact on natural resources and property, - Develop options to abate prevent minimize stabilize mitigate eliminate or remove the threat of a release to public health or welfare or the environment, - Prepare a sampling plan which describes the number type and location of samples and the type of analyses (for example sampling and analysis plans for collection of multi-media environmental samples chemical product or waste oil or other materials), - Observe and document federal state and private actions taken to conduct a response action, - Recommend options for the use of special teams and other assistance described in Section 300.145 of the NCP, - Collect analyze and validate data in accordance with EPA standard methods for sample analysis, - Develop site specific Health and Safety Plans (HSPs), - Develop health and safety procedures for response activities such as OSHA levels of protection associated with a site, - Monitor and measure COR-identified chemicals and analyze potential exposure conditions, Provide technical advice findings facts recommendations and options., Maintain response capability to respond to discharges/releases or threatened discharges/releases as defined in Subparts D and E of the National Contingency Plan., Provide responders with good working knowledge of the Incident Command System (ICS).

Description of Work:

All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

START shall provide response personnel to deploy mobile air sampling monitors to sample for hazardous substances.

In lieu of a staffing plan START shall not supply response personnel above the level of a Scientist 3 unless specifically cleared by the FOSC.

START shall provide 1900-55 reports to the OSC on a daily basis.

START shall provide a cost estimate by 1000 hours on June 28th, 2011.

START shall procure laboratory services to analyze the samples collected by the sampling teams.

START shall perform data management activities that ensure timely delivery of data and information from the field to the REOC.

Accounting and Appropriation Information

SFO: 22

| Line | DCN | IFMS | Budget/ FY | Appropriati on Code | Budget Org Code | Program Element | Object Class | Site Project | Cost Org Code | Amount |
|------|--------|------|------------|---------------------------|--------------------|--------------------|-----------------|--------------|------------------|--------------|
| 1 | RSC048 | XXX | 09 | T | 6A00S | 302DC6C | 2505 | A6BJRV00 | C001 | \$210,000.00 |

| Funding Summary: | Funding |
|------------------|--------------|
| Previous: | \$0.00 |
| This Action: | \$210,000.00 |
| Total: | \$210,000.00 |

Funding Category

Removal Support

Section

- Signed by Eric Delgado/R6/USEPA/US on 06/28/2011 01:53:17 PM, according to Phyllis Caldwell/start6/r

: Eric Delgado Date: 06/28/2011

Co-WAMs: Eric Delgado/R6/USEPA/US, Warren Zehner/R6/USEPA/US

Project Officer Section - Signed by Cora Stanley/R6/USEPA/US on 06/28/2011 04:14:01 PM, according to Ph

Project Officer: Linda Carter Date: 06/28/2011

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 06/28/2011 04:14:01 PM, according to

Contracting Officer: Cora Stanley Date: 06/28/2011

Contractor Section

Contractor Contact: Date:

! = required field

| | | |
|---|--|--------------------------------------|
| TDD Name: Las Conchas Wildfires | | ! Period: Base Period |
| ! Purpose: Change Period of Performance | | |
| ! Priority: High | ! Start Date: 06/27/2011 | |
| Overtime: Yes | ! Completion Date: 10/03/2011 | |
| ! Funding Category: Removal Support | Invoice Unit: | |
| ! Project/Site Name: Las Conchas Wildfires | | WorkArea: RESPONSE ACTIVITIES |
| Project Address: 13 Bataan Blvd | | Activity: Emergency Response |
| County: Santa Fe | | Work Area Code: |
| City, State: Santa Fe, | | Activity Code: RV |
| Zip: 87508 | EMERGENCY CODE: <input type="checkbox"/> KAT <input type="checkbox"/> RIT | |
| ! SSID: A6BJ | FPN: | |
| CERCLIS: | Performance Based: No | |
| Operable Unit: | | |
| Authorized TDD Ceiling: | Cost/Fee | LOE |
| Previous Action(s): | \$210,000.00 | 0.0 |
| This Action: | \$0.00 | 0.0 |
| New Total: | \$210,000.00 | 0.0 |

Specific Elements More specifically the contractor shall, - Analyze the nature amount and location of discharged or released materials, - Analyze the probable direction and time of travel of discharged or released materials, - Identify the pathways to human and environmental exposure, - Analyze the potential impact on human health welfare and safety and the environment posed by the release of hazardous substances contaminants or pollutants and discharge of oil, - Provide analysis of discharges or releases posing a substantial threat to the public health or welfare of the United States, - Analyze the potential impact on natural resources and property, - Develop options to abate prevent minimize stabilize mitigate eliminate or remove the threat of a release to public health or welfare or the environment, - Prepare a sampling plan which describes the number type and location of samples and the type of analyses (for example sampling and analysis plans for collection of multi-media environmental samples chemical product or waste oil or other materials), - Observe and document federal state and private actions taken to conduct a response action, - Recommend options for the use of special teams and other assistance described in Section 300.145 of the NCP, - Collect analyze and validate data in accordance with EPA standard methods for sample analysis, - Develop site specific Health and Safety Plans (HSPs), - Develop health and safety procedures for response activities such as OSHA levels of protection associated with a site, - Monitor and measure COR-identified chemicals and analyze potential exposure conditions, Provide technical advice findings facts recommendations and options., Maintain response capability to respond to discharges/releases or threatened discharges/releases as defined in Subparts D and E of the National Contingency Plan., Provide responders with good working knowledge of the Incident Command System (ICS).

Description of Work:

Amendment is for 30 day extension of period of performance to 10/03/2011 only to allow for completion of air sample data QA/QC review and final incident report. There is no increase to cost/fee.

START shall provide response personnel to deploy mobile air sampling monitors to sample for hazardous substances.

In lieu of a staffing plan START shall not supply response personnel above the level of a Scientist 3 unless specifically cleared by the FOSC.

START shall provide 1900-55 reports to the OSC on a daily basis.

START shall provide a cost estimate by 1000 hours on June 28th, 2011.

START shall procure laboratory services to analyze the samples collected by the sampling teams.

START shall perform data management activities that ensure timely delivery of data and information from the field to the REOC.

Accounting and Appropriation Information

SFO:

| Line | DCN | IFMS | Budget/ FY | Appropriation Code | Budget Org Code | Program Element | Object Class | Site Project | Cost Org Code | Amount |
|------|-----|------|------------|--------------------|-----------------|-----------------|--------------|--------------|---------------|--------|
| 1 | | | | | | | | | | \$0.00 |

| Funding Summary: | Funding |
|------------------|--------------|
| Previous: | \$210,000.00 |
| This Action: | \$0.00 |
| Total: | \$210,000.00 |

Funding Category
Removal Support

Section

- Signed by Warren Zehner/R6/USEPA/US on 08/03/2011 08:14:23 AM, according to Phyllis Caldwell/s
: Warren Zehner Date: 08/03/2011

Phone #:

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 08/05/2011 07:37:14 AM, according to Ph
Project Officer: Linda Carter Date: 08/04/2011

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 08/04/2011 02:39:23 PM, according
Contracting Officer: Cora Stanley Date: 08/04/2011

Contractor Section - Signed by Robert Beck/start6/rfw-start/us on 08/10/2011 08:15:57 PM, according to

☒ No During the past three (3) calendar years has your company , or any of your employees that will
☐ Yes be working at this site , previously performed work at this site /facility?

Contractor Contact: Robert Beck

Date: 08/10/2011

EPAU.S. EPA
Washington, DC 20460**START3
Technical Direction Document**Response Activities- REMOVAL
Funds (0001)
Weston Solutions, Inc.TDD #: TO-0001-11-06-01
Amendment#: B
Contract: EP-W-06-042! = required field ☐ Moved To EAS

| | | |
|---|--|--|
| TDD Name: Las Conchas Wildfires | | ! Period: Base Period |
| ! Purpose: Change Period of Performance | | |
| ! Priority: High | | ! Start Date: 06/27/2011 |
| Overtime: Yes | | ! Completion Date: 10/31/2011 |
| ! Funding Category: Removal Support | | Invoice Unit: |
| ! Project/Site Name: Las Conchas Wildfires | | |
| Project Address: 13 Bataan Blvd | | WorkArea: RESPONSE ACTIVITIES |
| County: Santa Fe | | Activity: Emergency Response |
| City, State: Santa Fe, | | Work Area Code: |
| Zip: 87508 | | Activity Code: RV |
| ! SSID: A6BJ | | EMERGENCY CODE: <input type="checkbox"/> KAT <input type="checkbox"/> RIT |
| CERCLIS: | | FPN: |
| Operable Unit: | | Performance Based: No |

| Authorized TDD Ceiling: | Cost/Fee | LOE (Hours) |
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Description of Work:**All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.**

Amendment B is to extend POP to October 31, 2011, for completion of Data deliverable.

Amendment A is for 30 day extension of period of performance to 10/03/2011 only to allow for completion of air sample data QA/QC review and final incident report. There is no increase to cost/fee.

START shall provide response personnel to deploy mobile air sampling monitors to sample for hazardous substances.

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START shall provide 1900-55 reports to the OSC on a daily basis.
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| Line | DCN | IFMS | Budget/ FY | Appropriation Code | Budget Org Code | Program Element | Object Class | Site Project | Cost Org Code | Amount |
|------|-----|------|------------|--------------------|-----------------|-----------------|--------------|--------------|---------------|--------|
| 1 | | | | | | | | | | \$0.00 |

| Funding Summary: | Funding |
|------------------|--------------|
| Previous: | \$210,000.00 |
| This Action: | \$0.00 |
| Total: | \$210,000.00 |

Funding Category
Removal Support

Section

- Signed by Eric Delgado/R6/USEPA/US on 08/30/2011 03:12:51 PM, according to Phyllis Caldwell/sta

: Eric Delgado

Date: 08/30/2011

Phone #:

Project Officer Section - Signed by Linda Carter/R6/USEPA/US on 08/31/2011 02:51:25 PM, according to Phyllis Caldwell/sta

Project Officer: Linda Carter

Date: 08/30/2011

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 08/31/2011 02:38:10 PM, according to Phyllis Caldwell/sta

Contracting Officer: Cora Stanley

Date: 08/31/2011

Contractor Section - Signed by Robert Beck/start6/rfw-start/us on 09/05/2011 03:45:54 PM, according to Phyllis Caldwell/sta

☒ No During the past three (3) calendar years has your company , or any of your employees that will be working at this site , previously performed work at this site /facility?
☐ Yes

Contractor Contact: Robert Beck

Date: 09/05/2011